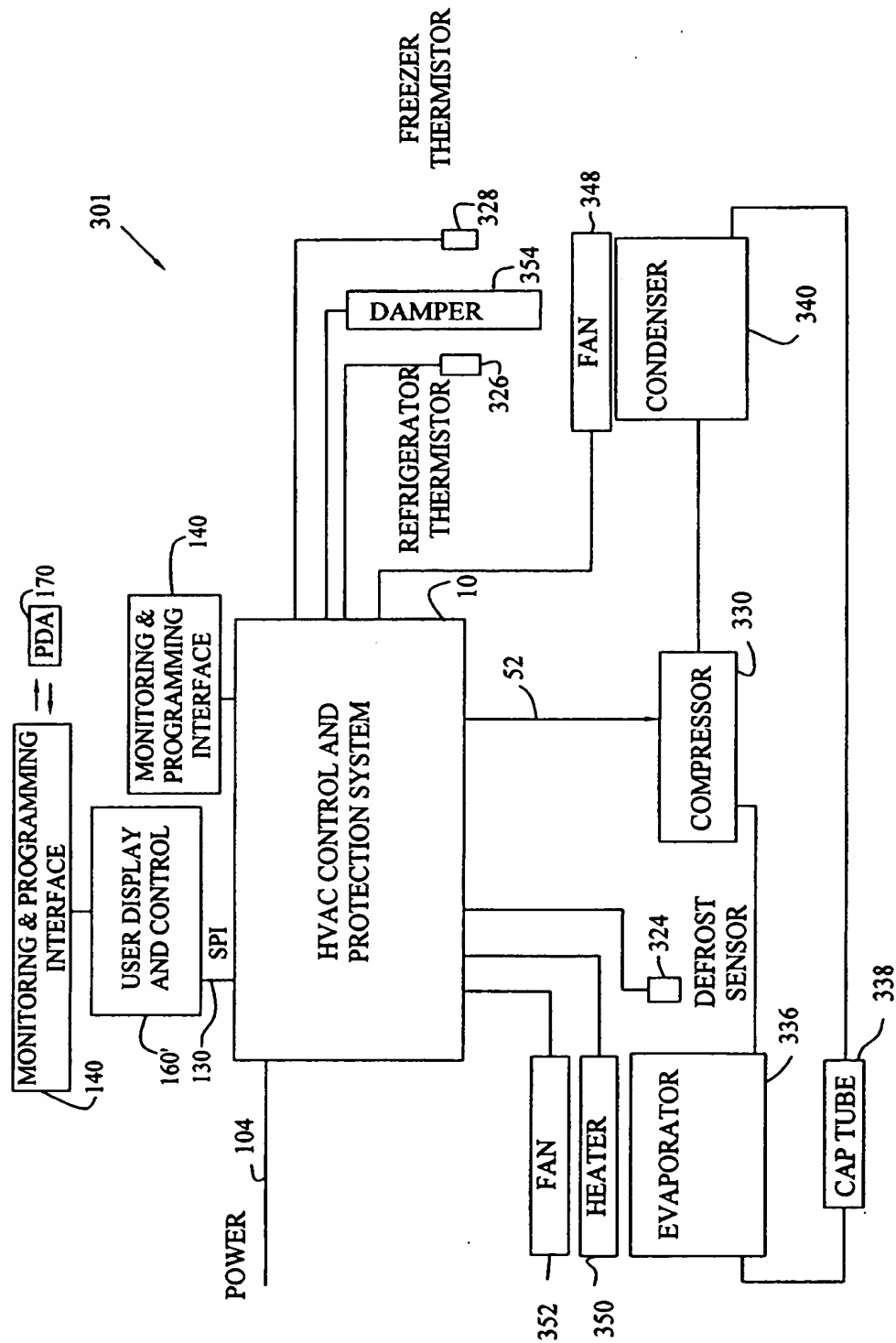


FIG. 2



REFRIGERATOR SYSTEM BLOCK
 DIAGRAM

FIG. 3

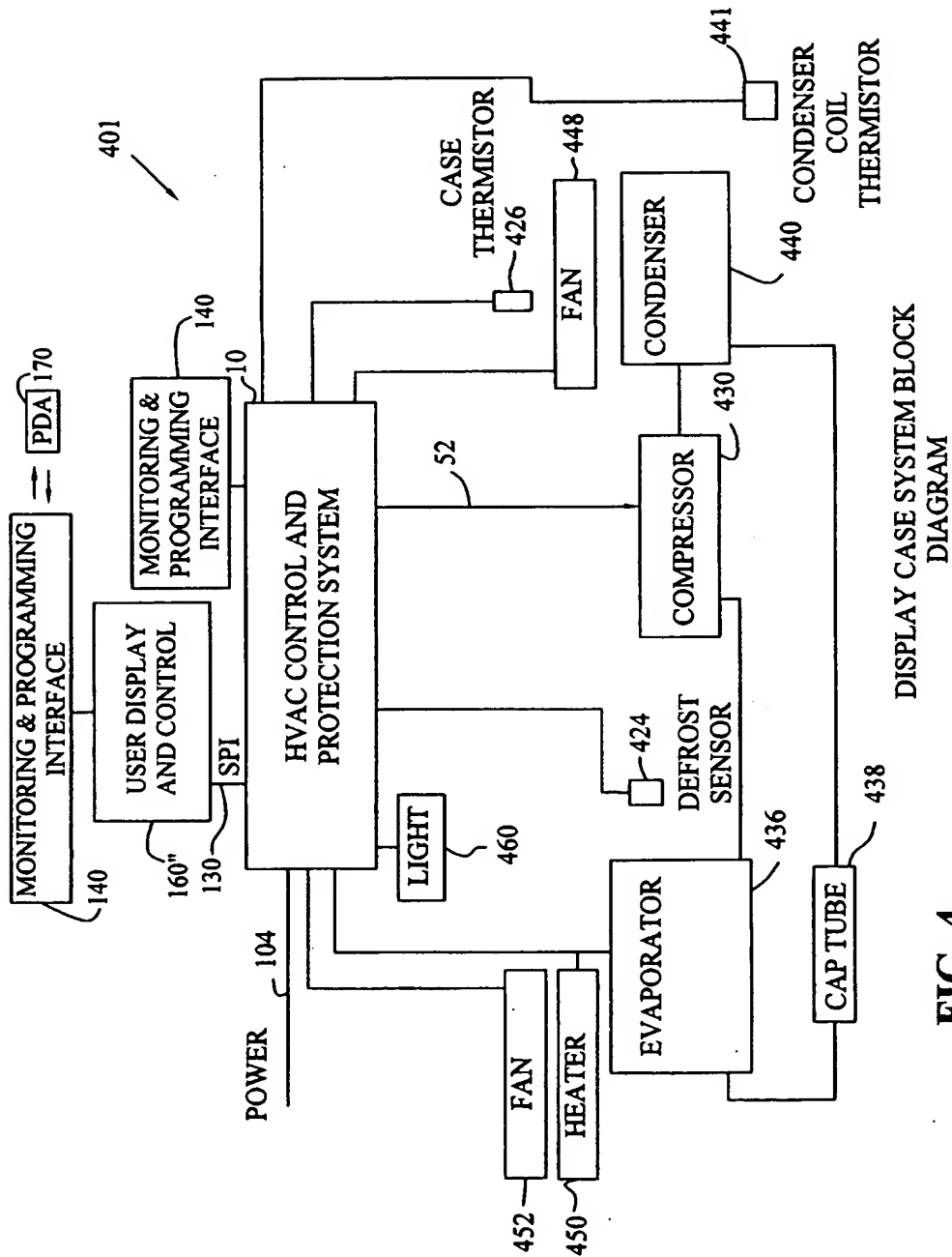


FIG. 5

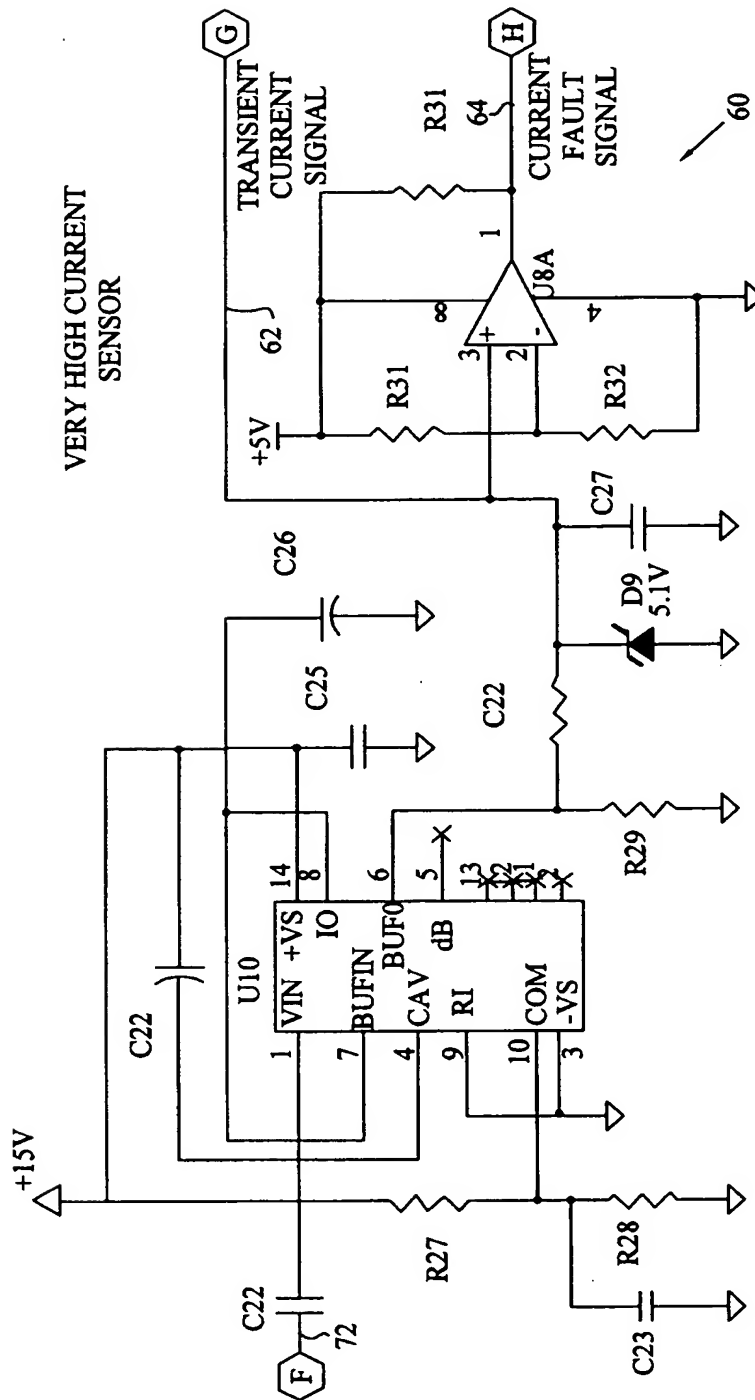


FIG. 6

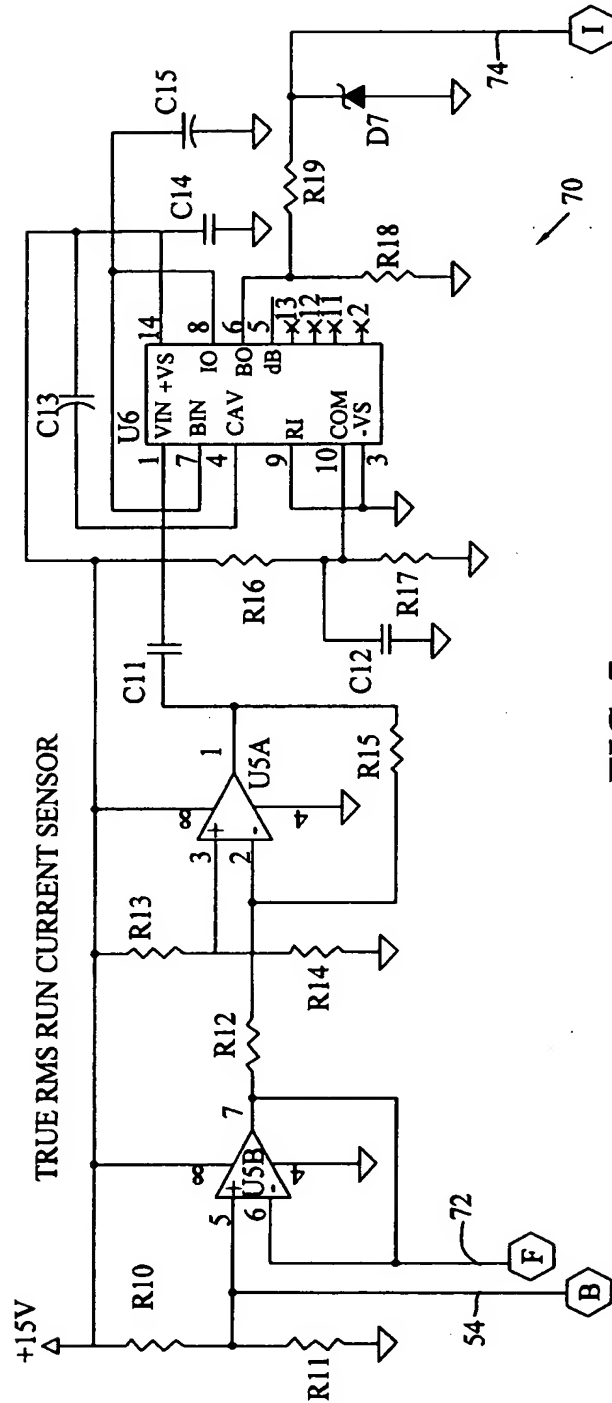


FIG. 7

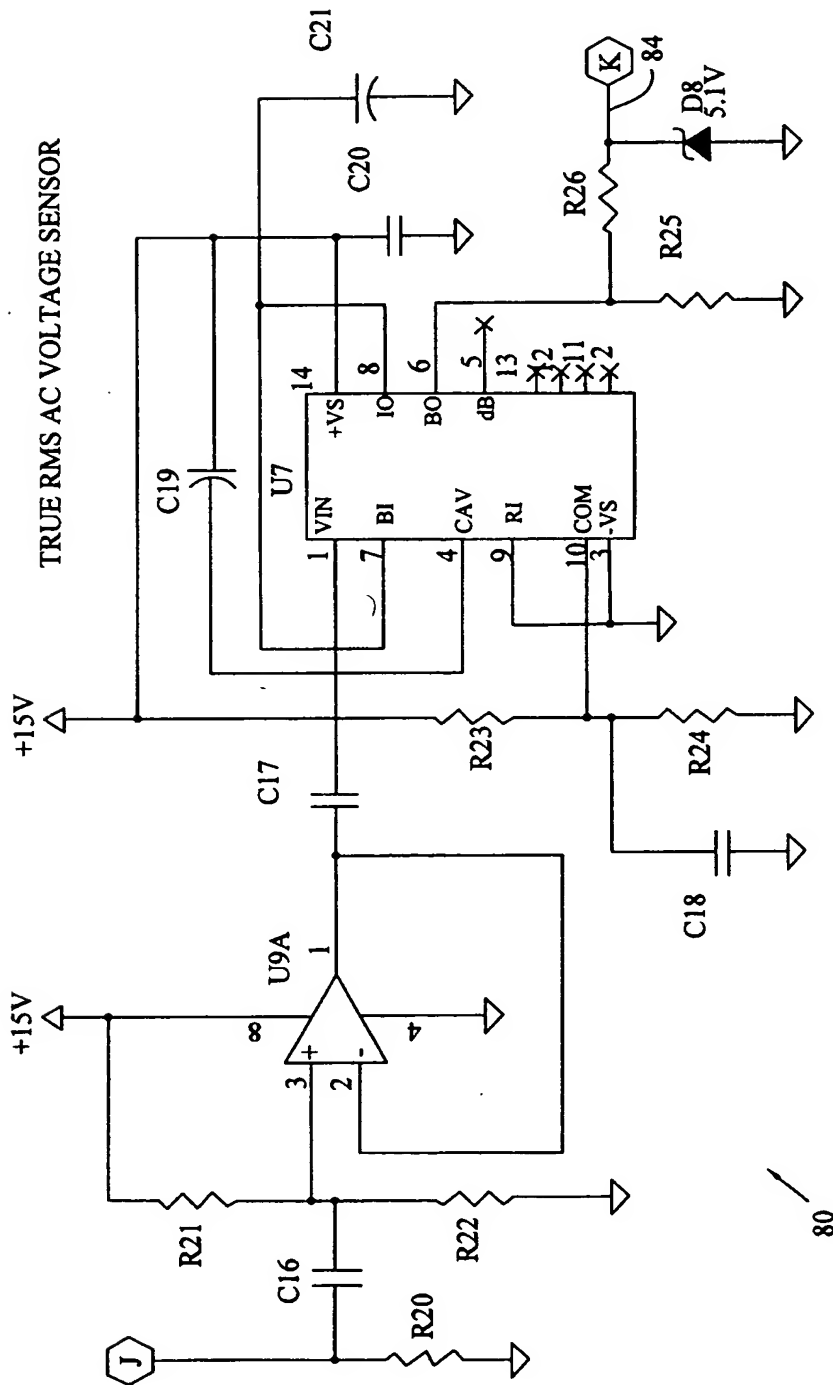


FIG. 8

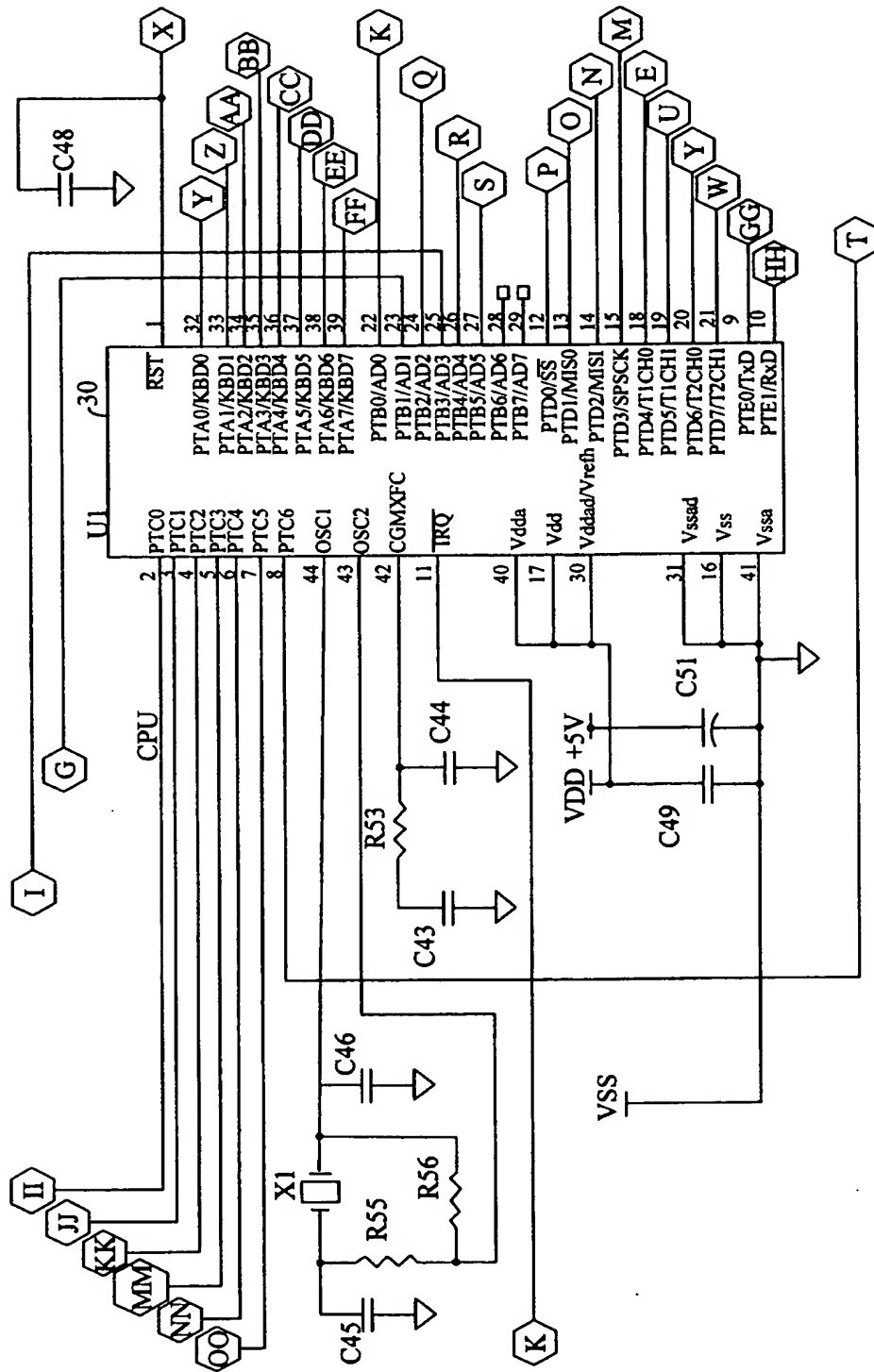
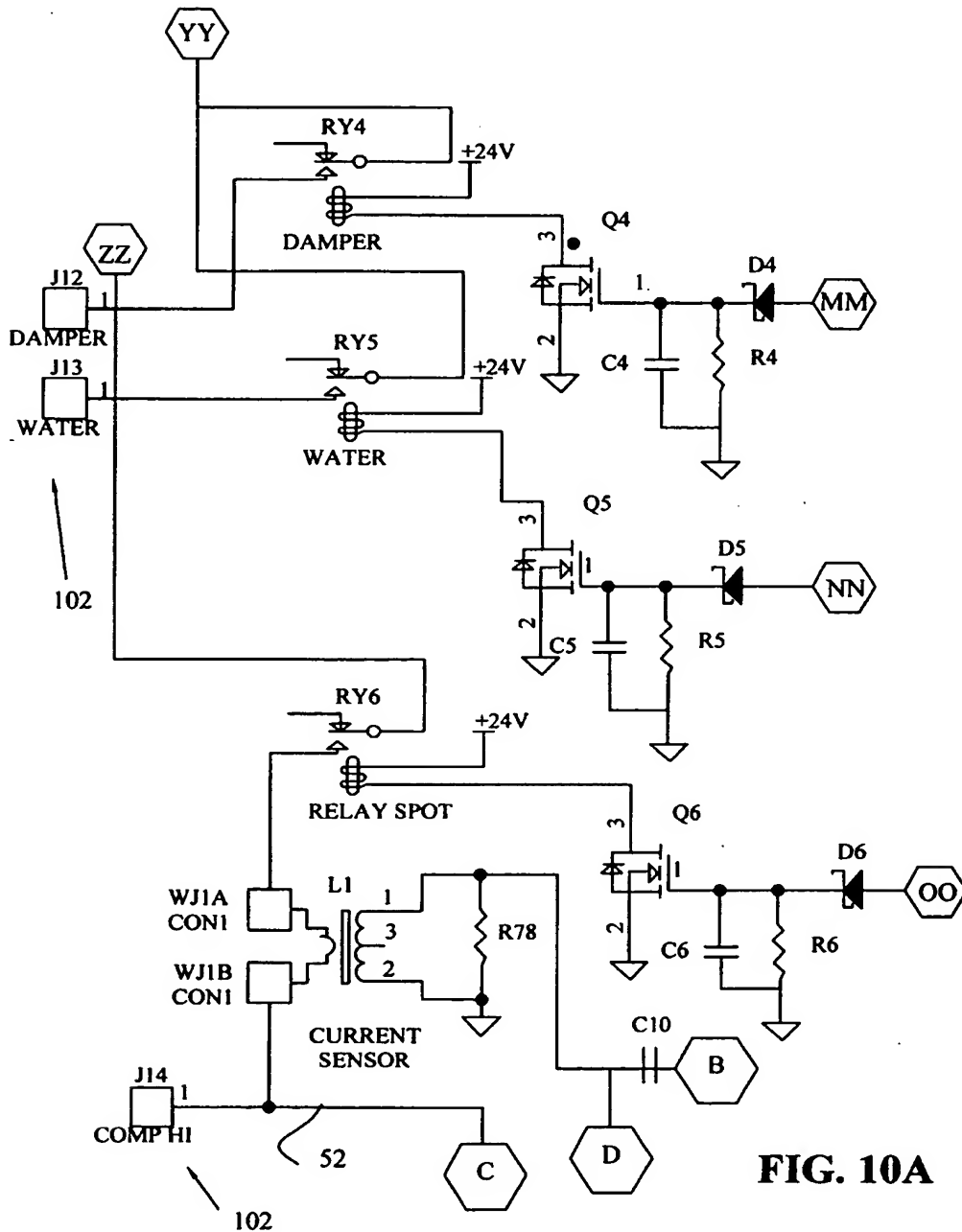


FIG. 9



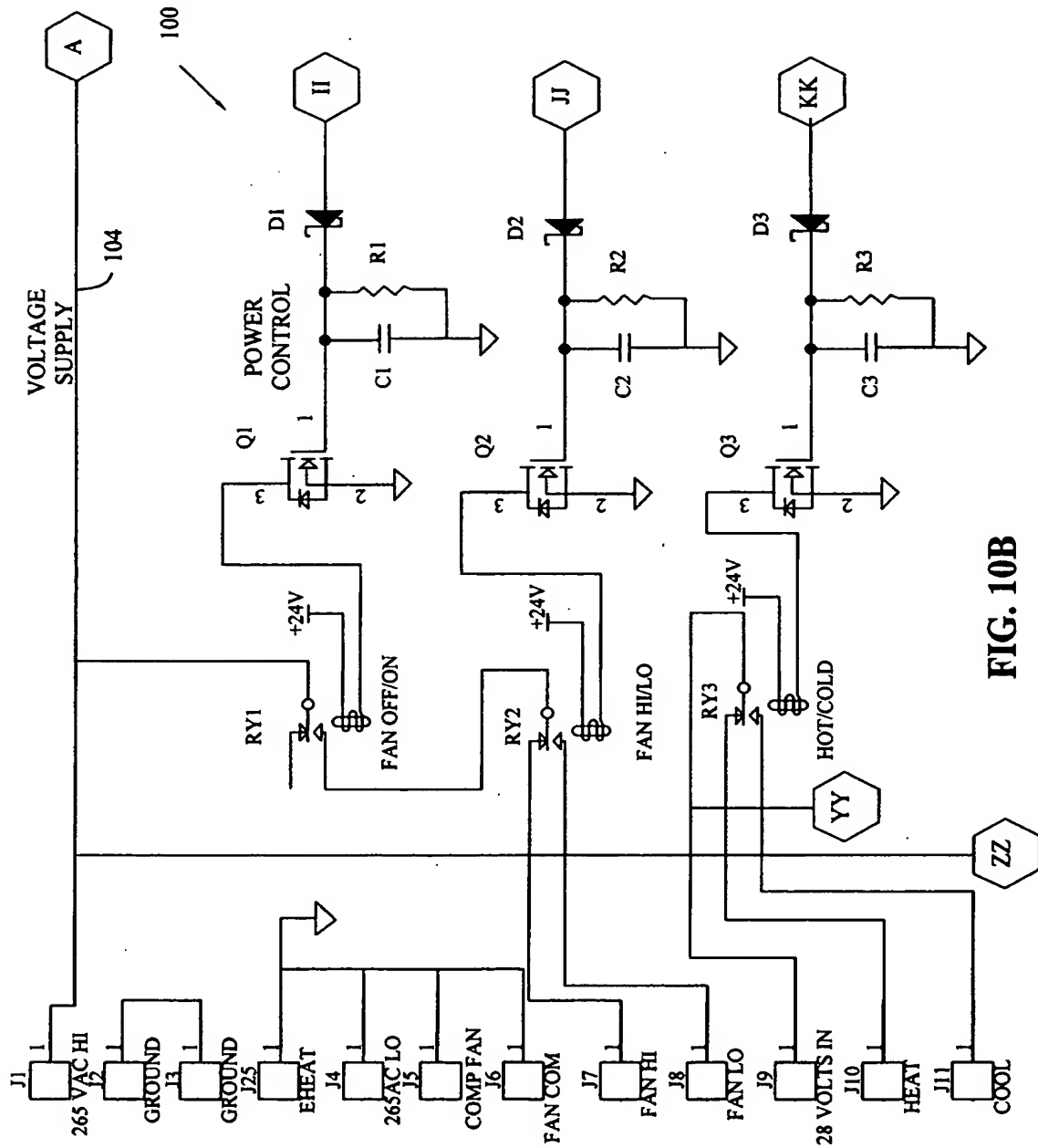


FIG. 10B

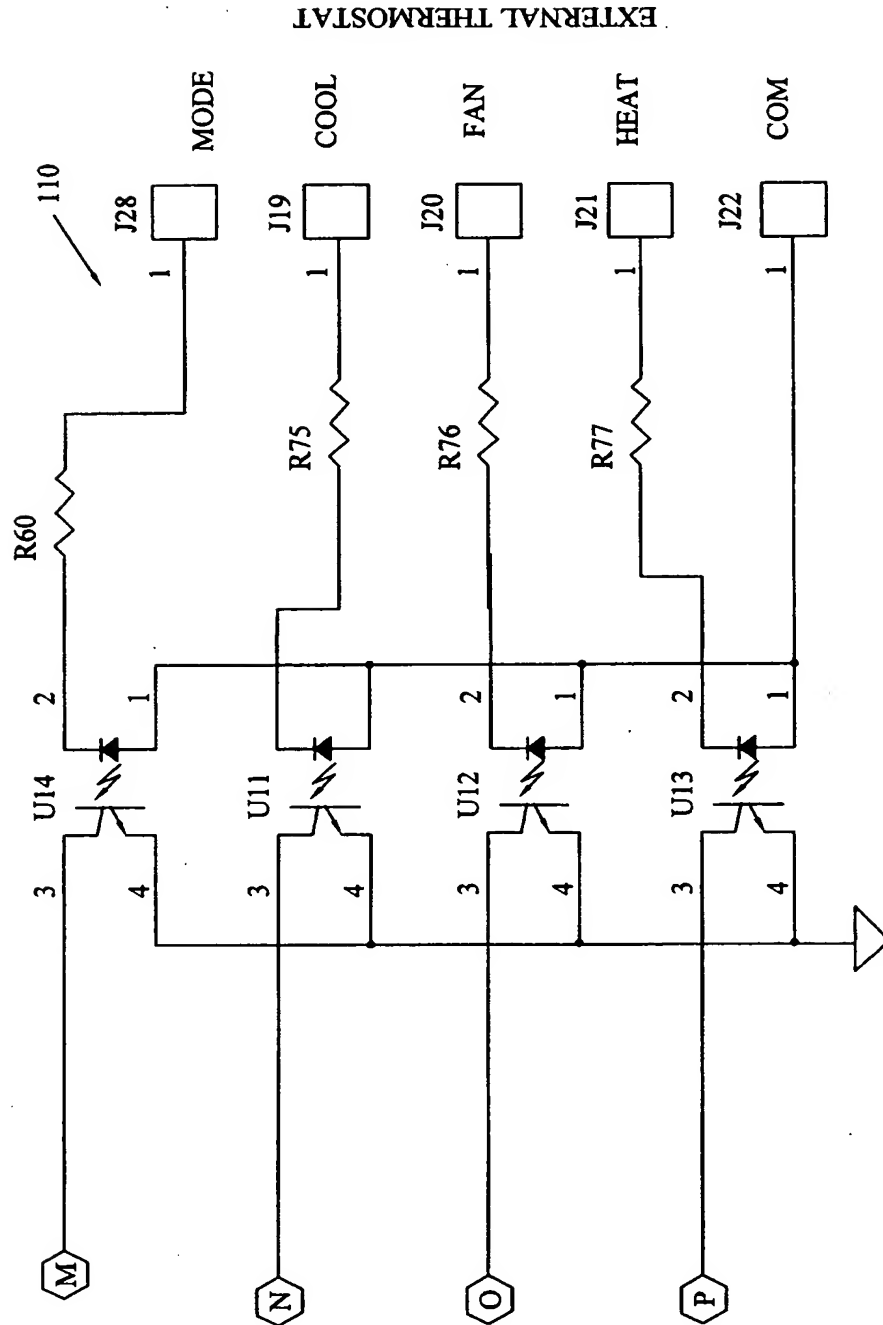


FIG. 11

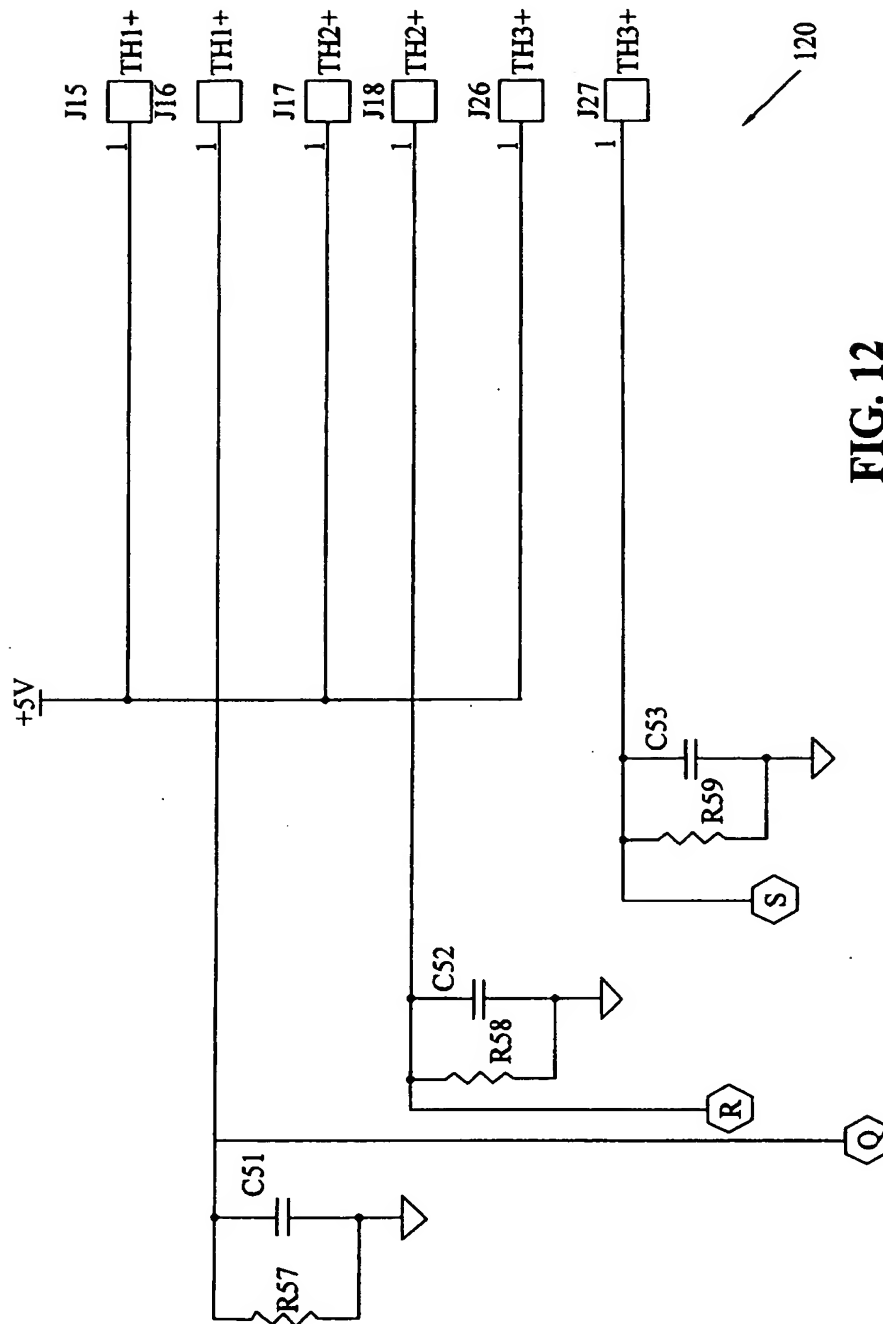


FIG. 12

120

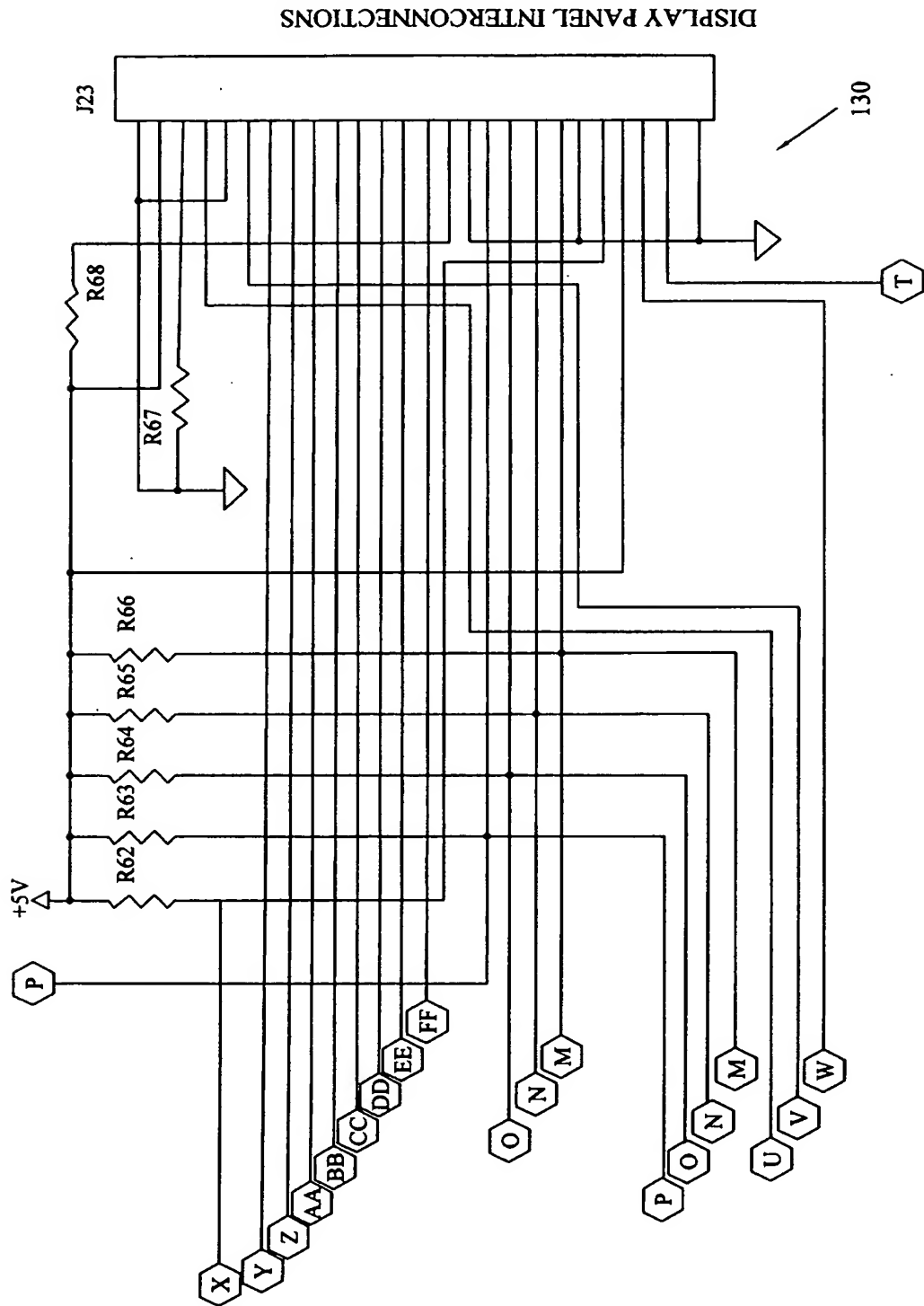


FIG. 13

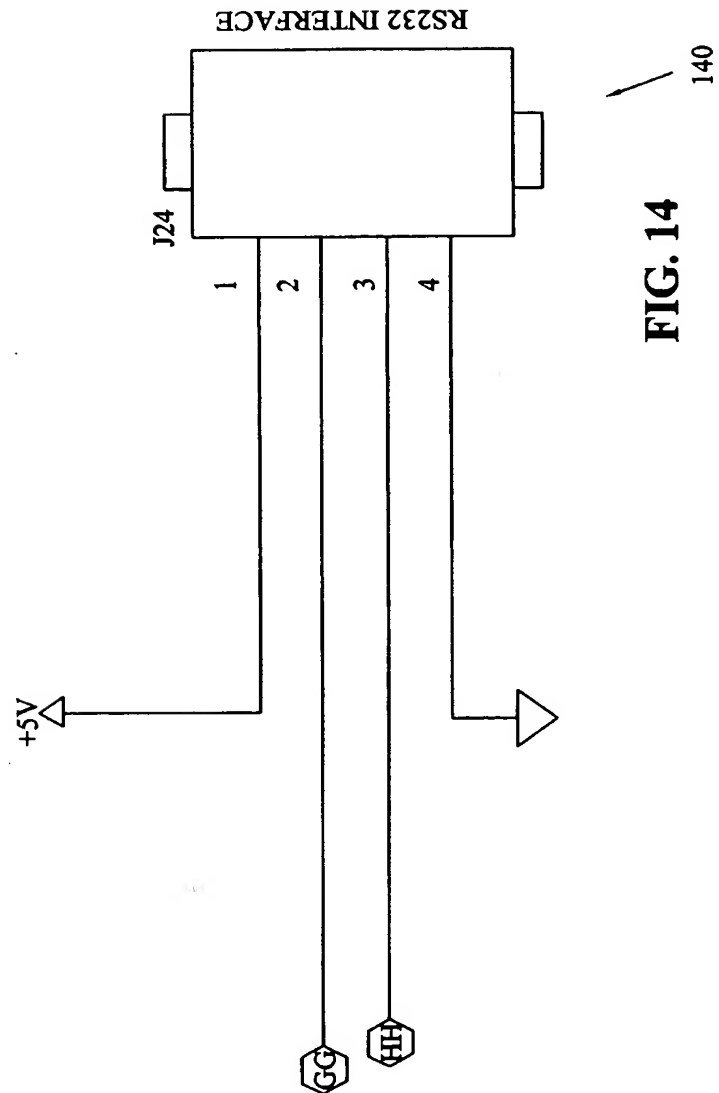


FIG. 14

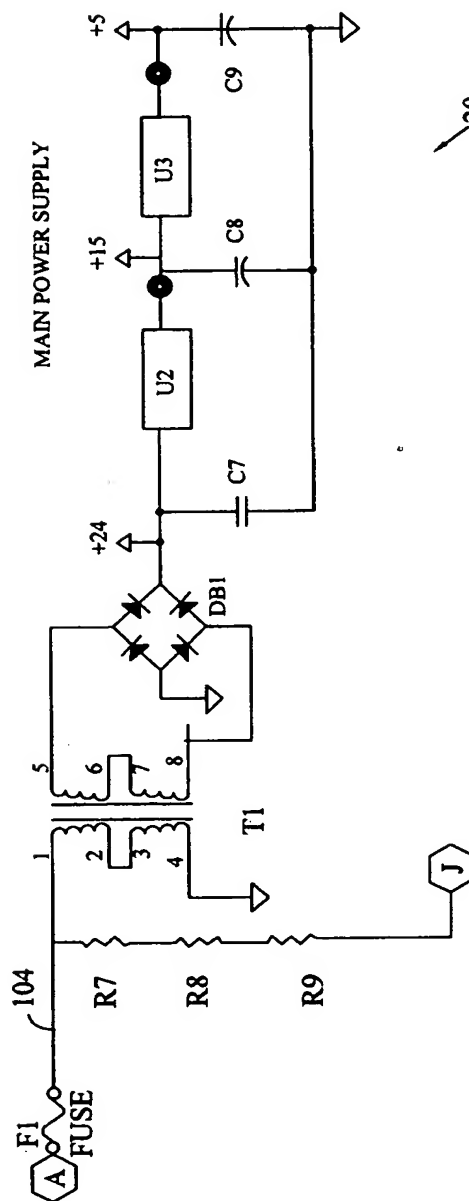
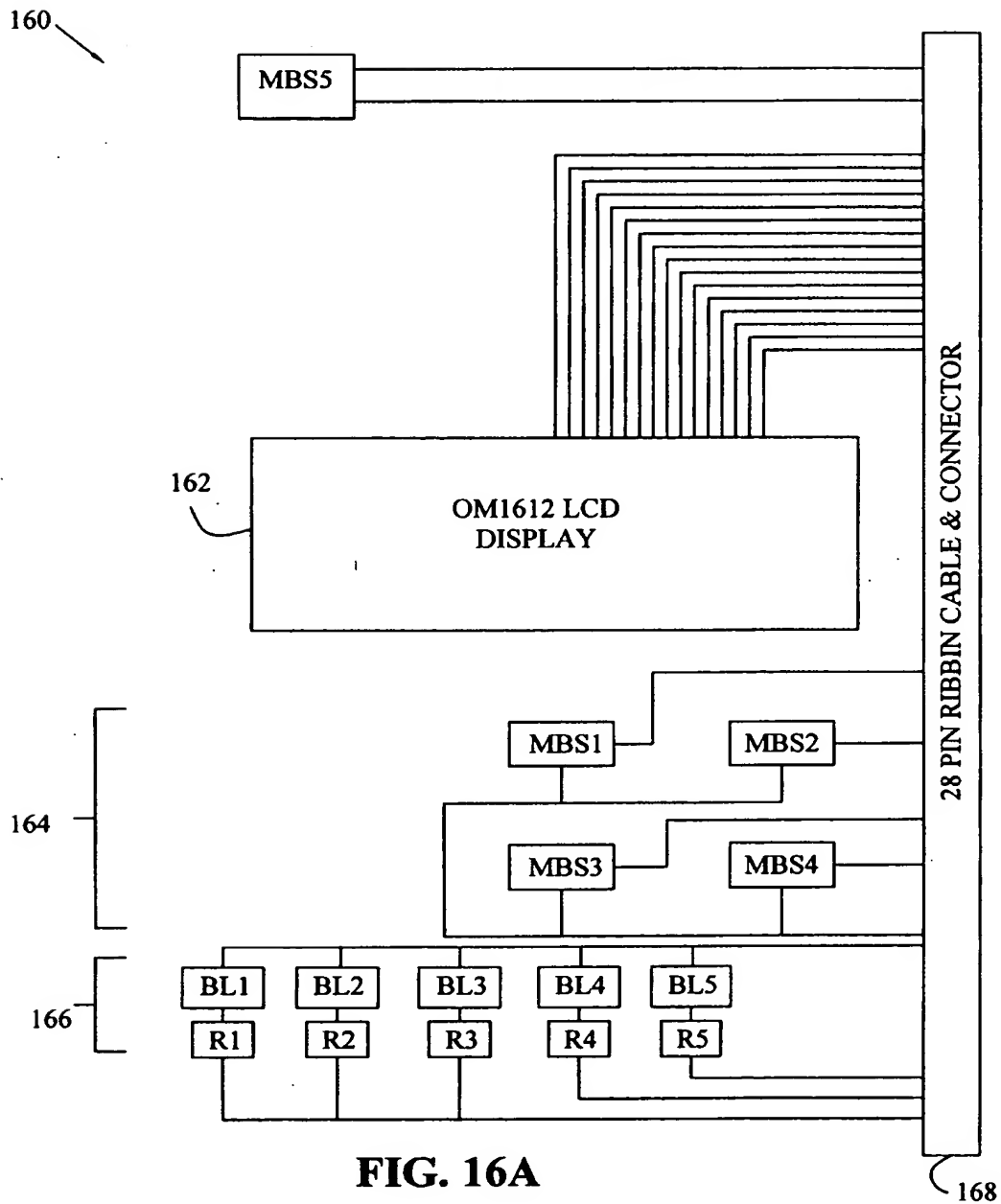


FIG. 15



DISPLAY AND CONTROL PANEL

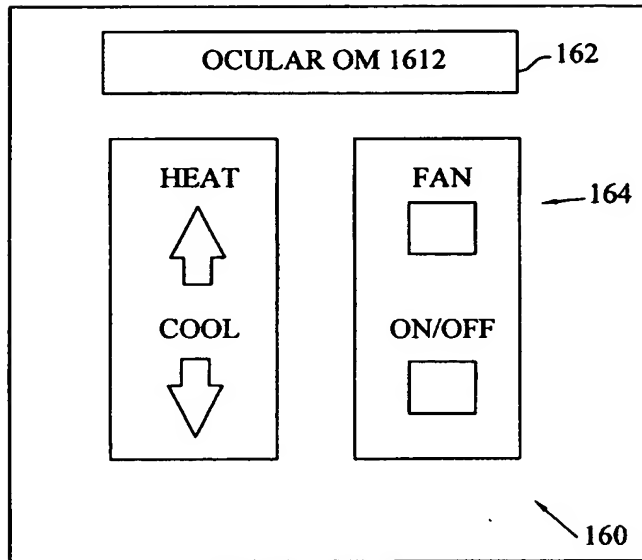


FIG. 16B

SET POINT FORM ✕	
HIGH VOLTAGE TRIP/VAC	280
LOW VOLTAGE TRIP/VAC	280
MAX STABLIZATION/AMPS	9
MAX STABLIZED/AMPS	9
MAX START/AMPS	30
MAX RUN/WATTS	1500
MIN RUN WATTS	290
MAX START TIME/SEC	2
STABLIZATION TIME/MIN	16
TRIP TIME/ 1-255 SEC	15
DEAD BAND/1-10 DEG F	5
FAULT STATUS	0
STARTUP DELAY/1-255 SEC	10
<div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">PROGRAM SET POINTS</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">READ UNIT SET POINTS</div> </div>	

FIG. 17A

SET POINT FORM [X]

AC LINE VOLTAGE/VAC	-
AC RUN CURRENT/AMPS	-
APPARENT POWER/WATTS	-
REAL POWER/WATTS	-
READ TEMPERATURE/F	-
SET TEMPERATURE	-
SYS STATUS	-

REFRESH SENSOR READINGS

174

173

FIG. 17B

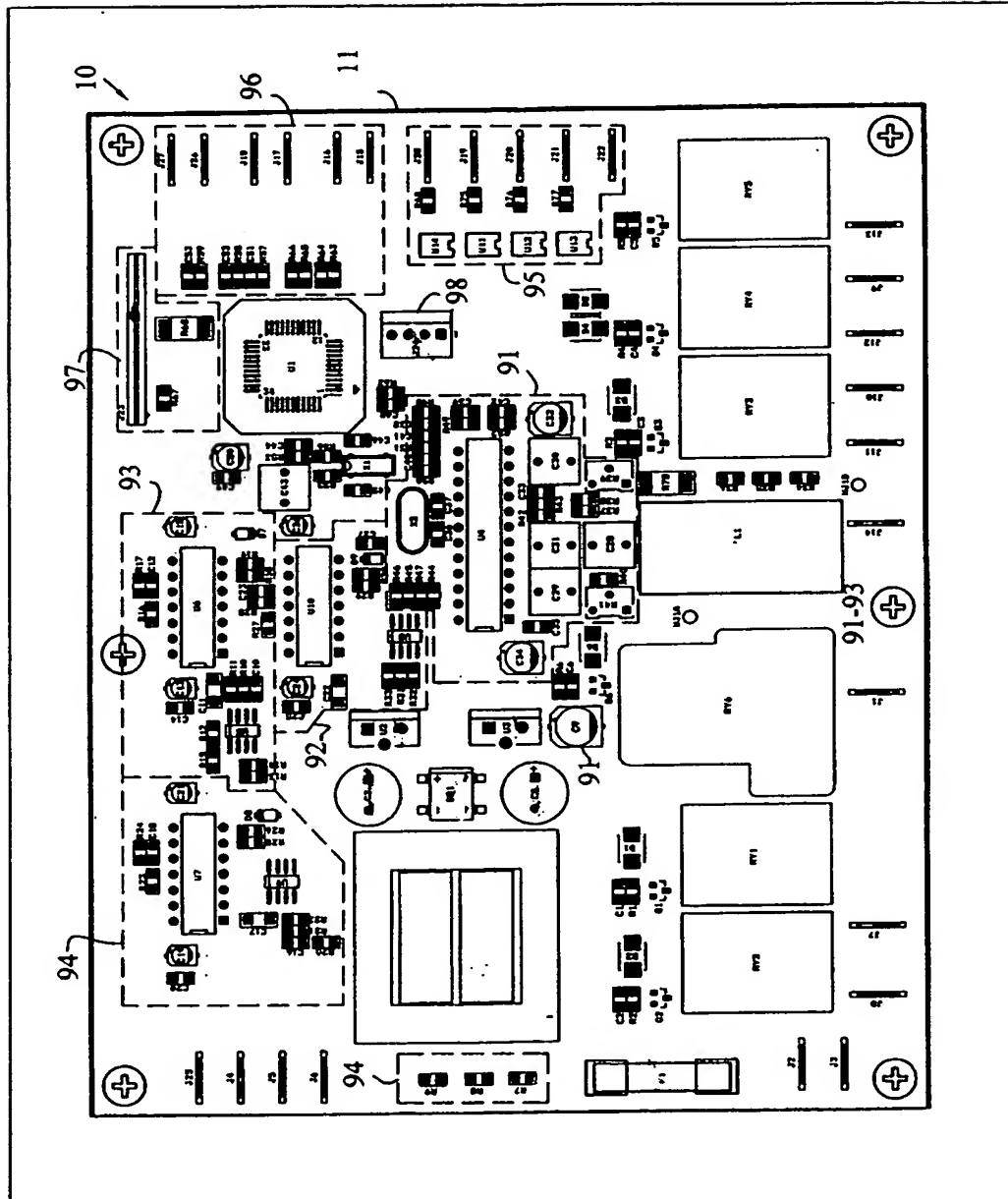


FIG. 18

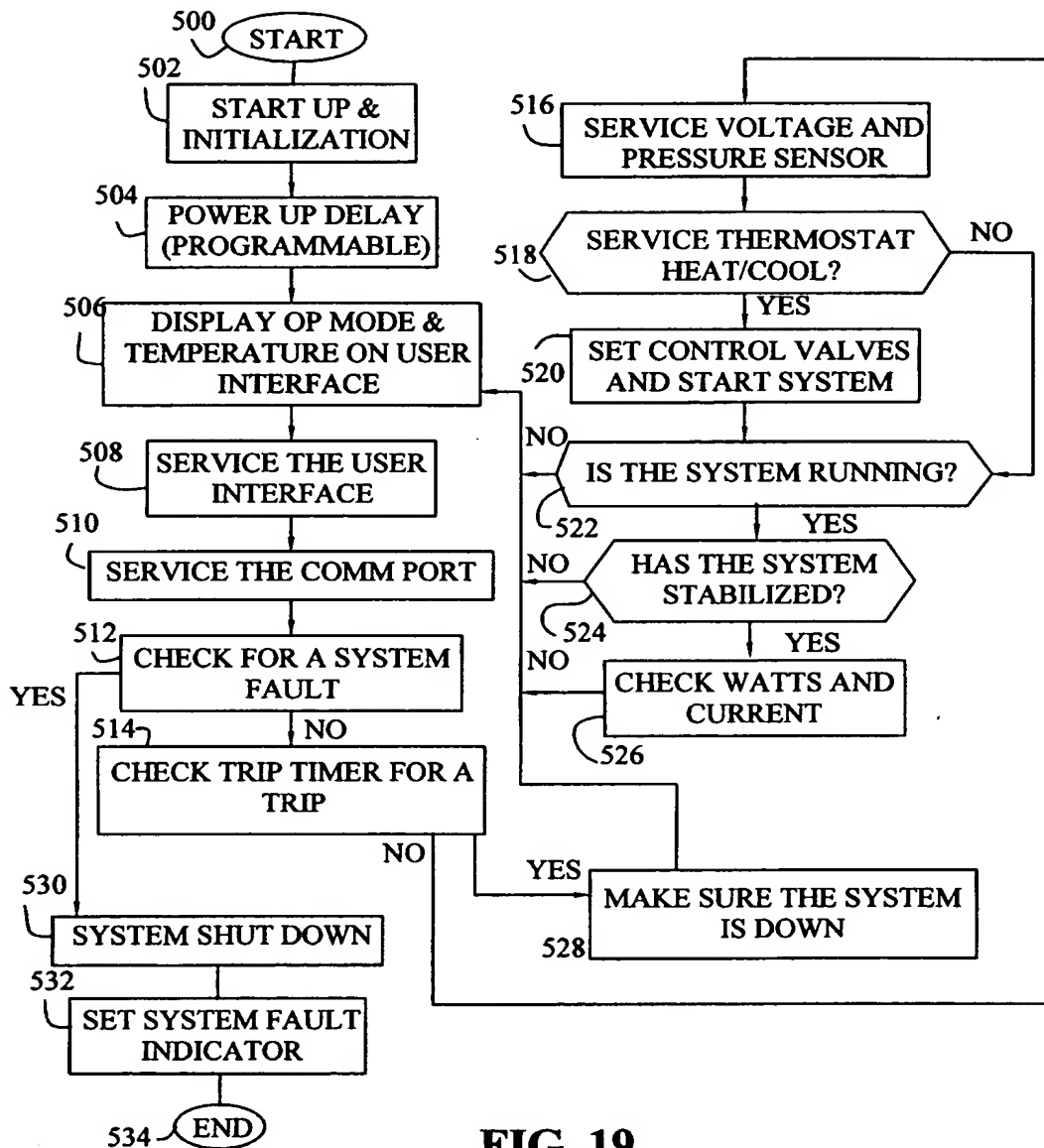
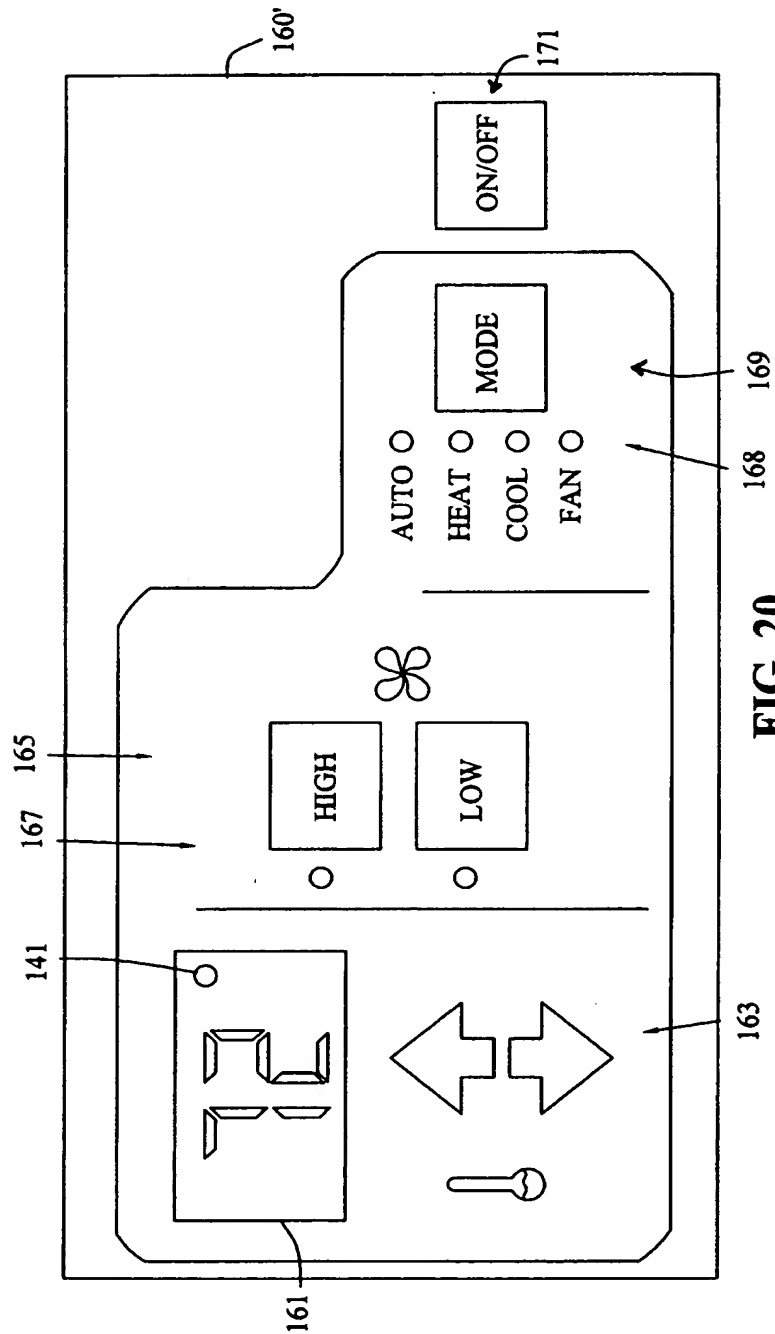


FIG. 19



A screenshot of a software dialog box titled "READ SYSTEM SENSOR" with a close button (X) in the top right corner. The dialog contains several labels and input fields, all displaying a hyphen (-): "COMPRESSOR CURRENT", "SET TEMPERATURE", "ROOM TEMPERATURE", "AUX TEMPERATURE", "SELECTED MODE", and "SYS STATUS". Below these fields is a button labeled "REFRESH SENSOR READINGS". A bracket on the right side of the dialog is labeled 175, and a bracket pointing to the "REFRESH SENSOR READINGS" button is labeled 177.

COMPRESSOR CURRENT	-
SET TEMPERATURE	-
ROOM TEMPERATURE	-
AUX TEMPERATURE	-
SELECTED MODE	-
SYS STATUS	-

REFRESH SENSOR READINGS

FIG. 21A

A screenshot of a software dialog box titled "SET POINT FORM" with a close button (X) in the top right corner. The dialog contains several labels and input fields with numerical values: "POWERUP DELAY 1-255/SEC" (10), "MAX. START TIME/SEC" (2), "MAXIMUM RUN AMPS" (5.0), "TRIP TIME 0-255/SEC" (10), "DEADBAND 0-10 DEG/F" (2), "POWERUP TEMPERATURE" (70), and "POWERUP MODE 0-4" (0). At the bottom are two buttons: "PROGRAM SET POINTS" and "READ UNIT SET POINTS". A bracket on the right side of the dialog is labeled 176, and a bracket pointing to the "PROGRAM SET POINTS" button is labeled 177.

POWERUP DELAY 1-255/SEC	10
MAX. START TIME/SEC	2
MAXIMUM RUN AMPS	5.0
TRIP TIME 0-255/SEC	10
DEADBAND 0-10 DEG/F	2
POWERUP TEMPERATURE	70
POWERUP MODE 0-4	0

PROGRAM SET POINTS READ UNIT SET POINTS

FIG. 21B

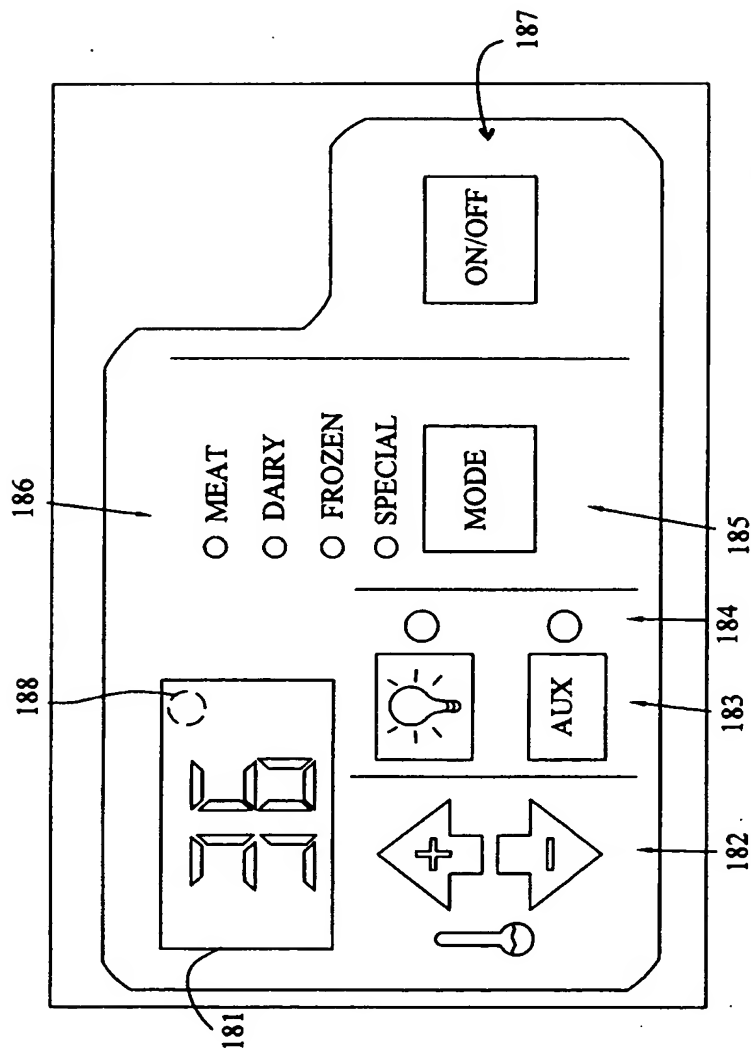


FIG. 22

The image shows a graphical user interface window titled "DISPLAY CASE" with a close button in the top right corner. The window contains a list of seven sensor readings, each followed by a small rectangular box displaying a hyphen (-). The readings are: COMPRESSOR CURRENT, EVAPORATOR AIR TEMP/F, EVAPORATOR COIL TEMP/F, CONDENSER COIL TEMP/F, OPERATING MODE, CABINET LIGHT, and SYS STATUS AUX LIGHT. Below this list is a horizontal bar also containing a hyphen (-). At the bottom of the window is a button labeled "REFRESH SENSOR READINGS". A callout line labeled "189" points to the right side of the window, and another callout line labeled "192" points to the "REFRESH SENSOR READINGS" button.

DISPLAY CASE	
COMPRESSOR CURRENT	-
EVAPORATOR AIR TEMP/F	-
EVAPORATOR COIL TEMP/F	-
CONDENSER COIL TEMP/F	-
OPERATING MODE	-
CABINET LIGHT	-
SYS STATUS AUX LIGHT	-
-	
REFRESH SENSOR READINGS	

FIG. 23A

11

DISPLAY CASE SETP...
✕

MEAT SP.	39	DIFF.	9
MIN.	32	MAX.	50

☒ <---MEAT MODE ENABLED

DAIRY SP.	40	DIFF.	9
MIN.	32	MAX.	45

☒ <---DAIRY MODE ENABLED

FROZEN SP.	-1	DIFF.	10
MIN.	-18	MAX.	32

☒ <---FROZEN MODE ENABLED

SPECIAL SP.	10	DIFF.	6
MIN.	-20	MAX.	40

☒ <---SPECIAL MODE ENABLED

POWERUP DELAY TIME	10
COMPRESSOR TRIP TIME	60
COMPRESSOR START TIME	1
MAXIMUM RUN CURRENT	9
POWER UP MODE	0
DEFROST INTERVALS	20
DEFROST DURATION	30
TERMINATION TEMP	40

☒ <---FAN CYCLES WITH COMPRESSOR

☒ <---TIMED & TEMP DEFROST

PROGRAM
SET POINTS

READ SYS
SET POINTS

192
192

FIG. 23B